

# ELASTOSIL<sup>®</sup> M 4125 F A/B

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## Room Temperature Curing Silicone Rubber (RTV-2)

Pourable, addition-curing RTV-2 silicone rubber that cures at room temperature.

Main application: Making shrink-free molds with excellent reproduction accuracy.



## Properties

- Low viscosity
- Easy to meter and mix due to 1:1 ratio
- Medium hardness (28 Shore A)
- Excellent mechanical properties
- Very fast and non-shrink cure at room temperature
- Easy demolding

## Specific features

- Addition Curing
- BfR compliant
- Excellent mechanical properties
- Fast curing at room temperature
- FDA compliant
- Flowable
- Food-contact
- Low viscosity
- No chemical shrinkage
- Two-component

## Technical data

### Properties Uncured

| Property           | Condition | A                      | B                      | Method   |
|--------------------|-----------|------------------------|------------------------|----------|
| Color              | -         | white                  | translucent            | -        |
| Density            | 23 °C     | 1.05 g/cm <sup>3</sup> | 1.05 g/cm <sup>3</sup> | ISO 2811 |
| Viscosity, dynamic | 23 °C     | 6000 mPa·s             | 6000 mPa·s             | ISO 3219 |

These figures are only intended as a guide and should not be used in preparing specifications.

### Properties Catalyzed A+B

| Property                      | Condition | Value      | Method   |
|-------------------------------|-----------|------------|----------|
| Color                         | -         | white      | -        |
| Viscosity, dynamic            | 23 °C     | 6000 mPa·s | ISO 3219 |
| Mix ratio                     | -         | 1 : 1      | A : B    |
| Pot Life (up to 100,000 mPas) | -         | 15 min     | -        |
| Demoldable at 23°C            | -         | 2 h        | -        |

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### Properties Cured

| Property            | Condition | Value | Method       |
|---------------------|-----------|-------|--------------|
| Hardness Shore A    | -         | 28    | ISO 868      |
| Tensile strength    | -         | 5.0   | DIN ISO 37   |
| Elongation at break | -         | 500   | ISO 37       |
| Tear strength       | -         | 25    | ASTM D 624 B |

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All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

## Applications

- Reproduction Molding

## Application details

As a low-Shore addition-curing RTV-2 silicone rubber that cures without undergoing dimensional shrinkage, **ELASTOSIL® M 4125 F A/B** is extremely suitable for casting all common reproduction materials, particularly if absolutely accurate copies of models with pronounced undercuts are required.

## Processing

Processingh1End **Important**

**The platinum catalyst is contained in component A.**

### Caution

Only components A and B with the **same lot number** may be processed together!

To ensure optimum flow of the material, the components must be stirred thoroughly before they are removed or processed in their containers.

## Packaging and storage

### Storage

ELASTOSIL® M 4125 F A/B is best stored between 5 °C and 30 °C in the tightly closed original container.

The 'Best use before end' date of each batch appears on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

## Safety notes

Components A and B of the addition-curing grade ELASTOSIL® M 4125 F A/B contain only constituents that over many years have proved to be neither toxic nor aggressive. Special handling precautions are therefore not required, i.e. only the general industrial hygiene regulations apply.

Detailed safety information is contained in each Material Safety Data Sheet, which can be obtained from our sales offices. **Additional**

**information:** Please visit our website [www.wacker.com](http://www.wacker.com)

## QR Code ELASTOSIL® M 4125 F A/B



**For technical, quality or product safety questions, please contact:**

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